Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 55683

Manuscript Type: ORIGINAL ARTICLE

Basic Study

In vivo cardiac pacemaker function of differentiated human mesenchymal stem cells from adipose tissue transplanted into porcine hearts

Fabrice F Darche, Rasmus Rivinius, Ann-Kathrin Rahm, Eva Köllensperger, Uwe Leimer, Günter Germann, Miriam Reiss, Michael Koenen, Hugo A Katus, Dierk Thomas, Patrick A Schweizer

Abstract

27,500 Results Any time

In vivo imaging to monitor differentiation and therapeutic ...

https://www.nature.com/articles/s41598-017-06571-8

Jul 24, 2017 · Enhanced effect of **human cardiac stem cells** and bone marrow **mesenchymal stem cells** to reduce infarct size and restore **cardiac function** after myocardial infarction. Circulation, Circulationaha. 112 ...

Cited by: 9 **Author:** Zhijun Pei, Jing Zeng, Yafeng Song, Yan …

Publish Year: 2017

Rebuilding the Damaged Heart: Mesenchymal Stem Cells, ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6345247

Jun 22, 2016 · **In vivo** studies have demonstrated the ability of MSCs to **differentiate into cardiac** muscle-like when **transplanted into** damaged myocardial **tissue** (171, 378). When **human** MSCs were **transplanted into** fetal sheep early in gestation, MSCs remained engrafted up to 13 years and **differentiated into** cardiomyocyte-like **cells**, as well as site-specific ...

In vivo cardiac pacemaker function of differentiated human mesenc

ALL IMAGES VIDEOS MAPS NEWS SHOPPING

12,200 Results Any time

In vivo imaging to monitor differentiation and therapeutic ...

https://www.nature.com/articles/s41598-017-06571-8

Jul 24, 2017 · Enhanced effect of **human cardiac stem cells** and bone marrow **mesenchymal stem cells** to reduce infarct size and restore **cardiac function** after myocardial infarction. Circulation, Circulationaha. 112 ...

Cited by: 9 **Author:** Zhijun Pei, Jing Zeng, Yafeng Song, Yan ...
Publish Year: 2017

Rebuilding the Damaged Heart: Mesenchymal Stem Cells, Cell ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6345247

Jun 22, 2016 · **In vivo** studies have demonstrated the ability of MSCs to **differentiate into cardiac** muscle-like when **transplanted into** damaged myocardial **tissue** (171, 378). When **human** MSCs were **transplanted into** fetal sheep early in gestation, MSCs remained engrafted up to 13 years and **differentiated into** cardiomyocyte-like **cells**, as well as site-specific ...

Cited by: 148 **Author:** Samuel Golpanian, Ariel Wolf, Konstantin...
Publish Year: 2016

Cardiomyoblast-like Cells Differentiated from Human ...

https://www.liebertpub.com/doi/10.1089/ten.tec.2009.0362

Adipose tissue–derived **mesenchymal stem cells** (ADMSCs) are multipotent **cells**. Here we examined whether **human** ADMSCs (hADMSCs) could **differentiate into** cardiomyoblast-like **cells** (CLCs) by induction with dimethylsulfoxide and whether the **cells** would be utilized to treat **cardiac** dysfunction.

Cited by: 89 **Author:** Hanayuki Okura, Akifumi Matsuyama, Ch...
Publish Year: 2010

PEOPLE ALSO ASK

Can stem cells differentiate into beating cardiomyocytes?

How do stem cells promote cardiac repair?

Is bone marrow stem cell?